

RS485/422 SFTP LSZH-SHF 1

Application:	Shipboard installations, Maritime Environment, Fixed or portable installations, fixed installations, Industrial communication high data rates, Ships, High speed & Light craft. RS422 RS485.
Outer Jacket :	LSZH
Outer Diameter:	7.0 ± 0.20 mm for 1 pair, 11.0 ± 0.20 mm for 2 Pairs, 11.5 ± 0.20 mm for 4 pairs
Weight:	65 kg/km for 1 pair, 110 kg/km for 2 pairs, 120 kg/km for 4 pairs
Standards:	IEC 61158-2, IEC 60092-360 IEC 60332-3 , IEC 60754-1/2, IEC 61034-1/2, IEC 60331-23
Bending Radius	8D



Design & Construction

Conductor:	Stranded tinned Copper AWG 22/7 (0.35 mm ²), 1 Pair, 2 Pairs, 4 Pairs
Conductor Structure:	7/0.25 ± 0.01 mm
Insulation:	Foam Polyethylene
Insulation OD:	2.13 ± 0.15 mm
Fire Barrier	Mica tape (Option)
Conductor Color Code:	White X Blue, White X Orange, White X Green, White X Brown
Foil shield:	Aluminum/Polyester Foil
Braid:	Tinned copper wire
Braid Coverage:	≥80%
Outer jacket:	LSZH SHF1
Outer Jacket OD:	7.0 ± 0.20 mm for 1 pair, 10.5 ± 0.20 mm for 2 Pairs, 11.5 ± 0.20 mm for 4 pairs
Outer Jacket Color:	Purple (optional)

Environmental properties and Fire Performances

Halogen acid gas, Degree of acidity of gases:	IEC 60754-1/2
Jacket, Insulation material:	IEC 60092-360
Smoke Emission:	IEC 61034-1/2
Flame retardant:	IEC 60332-3-22
Fire resistant:	IEC 60331-23
UV resistant:	UL1581

Electrical characteristics

Impedance:	120 Ω
DC Resistance:	55 Ω/Km max. @ 20°C
Capacitance:	35.0 PF/m
Resistance unbalance:	≤5%
Voltage Rating:	300 V
Operating Temperature:	-30°C~75°C
UV Resistance:	Yes

Electrical Properties

Frequency (MHz):	1	10	100	200	500	1000
Pairs	1pair	1pair	2 pairs, 4pairs			
Attenuation dB/100m (Nom.)	1.7	5.0	0.55	0.80	1.2	1.8

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